ANALYTICA CHIMICA ACTA, VOL. 202 (1987)

AUTHOR INDEX

Afonso, A.M.
— , González-Dávila, M., Santana, J.J. and García-Montelongo, F.
Spectrofluorometric determination of zinc with 1,5-bis(2,3-dihydroxyphenylmethylene) thiocarbohydrazone 207
Akatsuka, K.
— and Atsuya, I.
Preconcentration by coprecipitation of submicrogram amounts of copper and manganese with 8-quinolinol and direct electrothermal atomic absorption spectrometry of the precipitates 223
Al-Tamrah, S.A.
— and Townshend, A.
Determination of naphthols by flow-injection chemiluminescence 247
Armanino, C.
—, Leardi, R., Roda, A. and Simoni, P.
Pattern recognition study of biochemical assays for liver function 175
Atsuya, I., see Akatsuka, K. 223

Bennekom, W.P., van, see van Bennekom, W.P. 35
Blauw, J.S., see van Opstal, M.A.J. 35
Brajter-Toth, A., see Childers-Peterson, T. 167
Bult, A., see van Opstal, M.A.J. 35
Bustin, R., see Carr, R.H. 251

Calokerinos, A.C., see Grekas, N. 241
Carr, R.H.
—, Bustin, R. and Gibson, E.K.
A pyrolysis/gas chromatographic method for the determination of hydrogen in solid samples 251
Childers-Peterson, T.
— and Brajter-Toth, A.
A high-performance liquid chromatographic assay of the electro-oxidation of purines. Uric acid and the nucleotide drug tubercidin-5′-monophosphate 167
Costa Garcia, A., see Miranda Ordieres, A.J. 141

Dimmock, N.A.
— and Marshall, G.B.
The determination of hydrogen chloride in ambient air with diffusion/denuder tubes 49
Doolan, K.J.
A pyrohydrolytic method for the determination of low fluorine concentrations in coal and minerals 61
Džudović, R.M., see Vajgand, V.J. 231

Franklin Smyth, W., see Miranda Ordieres, A.J. 141

García-Montelongo, F., see Afonso, A.M. 207
Gibson, E.K., see Carr, R.H. 251
González-Dávila, M., see Afonso, A.M. 207
Grekas, N.
— and Calokerinos, A.C.
Molecular emission cavity analysis for organic sulphur compounds after electrolytic generation of hydrogen sulphide 241

Hanazato, Y., see Shiono, S. 131
Hayashi, Y.
—, Shibazaki, T., Matsuda, R. and Uchiyama, M.
Resolution of overlapped chromatograms by means of the Kalman filter. Data processing of liquid chromatographic signals without solvent peaks 187
Holthuis, J.J.M., see van Opstal, M.A.J. 35
Huiliang, H.
—, Jagner, D. and Renman, L.
Flow constant-current stripping analysis for antimony(III) and antimony(V) with gold fibre working electrodes. Application to natural waters 123
Huiliang, H.
—, Jagner, D. and Renman, L.
Simultaneous determination of mercury(II), copper(II) and bismuth(III) in urine by flow constant-current stripping analysis with a gold fibre electrode 117
Hum, A., see Krull, U.J. 215

ANALYTICA CHIMICA ACTA, VOL. 202 (1987)

AUTHOR INDEX

Afonso, A.M.
— , González-Dávila, M., Santana, J.J. and García-Montelongo, F.
Spectrofluorometric determination of zinc with 1,5-bis(2,3-dihydroxyphenylmethylene) thiocarbohydrazone 207
Akatsuka, K.
— and Atsuya, I.
Preconcentration by coprecipitation of submicrogram amounts of copper and manganese with 8-quinolinol and direct electrothermal atomic absorption spectrometry of the precipitates 223
Al-Tamrah, S.A.
— and Townshend, A.
Determination of naphthols by flow-injection chemiluminescence 247
Armanino, C.
—, Leardi, R., Roda, A. and Simoni, P.
Pattern recognition study of biochemical assays for liver function 175
Atsuya, I., see Akatsuka, K. 223

Bennekom, W.P., van, see van Bennekom, W.P. 35
Blauw, J.S., see van Opstal, M.A.J. 35
Brajter-Toth, A., see Childers-Peterson, T. 167
Bult, A., see van Opstal, M.A.J. 35
Bustin, R., see Carr, R.H. 251

Calokerinos, A.C., see Grekas, N. 241
Carr, R.H.
—, Bustin, R. and Gibson, E.K.
A pyrolysis/gas chromatographic method for the determination of hydrogen in solid samples 251
Childers-Peterson, T.
— and Brajter-Toth, A.
A high-performance liquid chromatographic assay of the electro-oxidation of purines. Uric acid and the nucleotide drug tubercidin-5′-monophosphate 167
Costa Garcia, A., see Miranda Ordieres, A.J. 141

Dimmock, N.A.
— and Marshall, G.B.
The determination of hydrogen chloride in ambient air with diffusion/denuder tubes 49
Doolan, K.J.
A pyrohydrolytic method for the determination of low fluorine concentrations in coal and minerals 61
Džudović, R.M., see Vajgand, V.J. 231

Franklin Smyth, W., see Miranda Ordieres, A.J. 141

García-Montelongo, F., see Afonso, A.M. 207
Gibson, E.K., see Carr, R.H. 251
González-Dávila, M., see Afonso, A.M. 207
Grekas, N.
— and Calokerinos, A.C.
Molecular emission cavity analysis for organic sulphur compounds after electrolytic generation of hydrogen sulphide 241

Hanazato, Y., see Shiono, S. 131
Hayashi, Y.
—, Shibazaki, T., Matsuda, R. and Uchiyama, M.
Resolution of overlapped chromatograms by means of the Kalman filter. Data processing of liquid chromatographic signals without solvent peaks 187
Holthuis, J.J.M., see van Opstal, M.A.J. 35
Huiliang, H.
—, Jagner, D. and Renman, L.
Flow constant-current stripping analysis for antimony(III) and antimony(V) with gold fibre working electrodes. Application to natural waters 123
Huiliang, H.
—, Jagner, D. and Renman, L.
Simultaneous determination of mercury(II), copper(II) and bismuth(III) in urine by flow constant-current stripping analysis with a gold fibre electrode 117
Hum, A., see Krull, U.J. 215

Jagner, D., see Huiliang, H. 117, 123
Jaksic, L.N., see Vajgand, V.J. 231
Jinno, K., see Miyashita, Y. 237

Krull, U.J.
—, Hum, A. and Vandenberg, E.T.
Surfactant characterization at an air/water interface by direct reflection ellipsometry 215

Leardi, R., see Armanino, C. 175
Linares, P.
—, Luque de Castro, M.D. and Valcárcel, M.
Sequential determination of glucose and fructose in foods by flow-injection analysis wit.ı immobilized enymes 199
Łukaszewski, Z., see Pawlak, M.K. 85, 97
Luque de Castro, M.D., see Linares, P. 199

Maeda, M., see Shiono, S. 131
Marshall, G.B., see Dimmock, N.A. 49
Matsuda, R., see Hayashi, Y. 187
Mihajlović, R.P., see Vajgand, V.J. 231
Miranda Ordieres, A.J.
—, Costa Garcia A., Tuñón Blanco, P. and Franklin Smyth, W.
An electroanalytical study of the anticancer drug dacarbazine 141
Miyashita, Y.
—, Okuyama, T., Yamaura, K., Jinno, K. and Sasaki, S.-I.
Prediction of carcinogenicity of polynuclear aromatic hydrocarbons on the basis of their chemical structures 237
Molnár-Perl, I.
— and Pintér-Szakács, M.
Determination of total basicity and available lysine in proteins by nonaqueous titrimetry 159

Nakako, M., see Shiono, S. 131

Okuyama, T., see Miyashita, Y. 237
Opstal, M.A.J., van, see van Opstal, M.A.J. 35

Pantel, S.
— and Weisz, H.
Catalytic end-point detection in titrimetric analysis 1
Pawlak, M.K.
— and Łukaszewski, Z.
Tensammetry with accumulation on the hanging mercury drop electrode. Part 4. The behaviour of oxyethylated alcohols (polyoxyethylene n-alkyl monoethers) 85
Pawlak, M.K.
— and Łukaszewski, Z.
Tensammetry with accumulation on the hanging mercury drop electrode. Part 5. The behaviour of mixtures of oxyethylated alcohols 97
Piccardi, G.
— and Udisti, R.
Intermetallic compounds and the determination of copper and zinc by anodic stripping voltammetry 151
Pintér-Szakács, M., see Molnár-Perl, I. 159

Renman, L., see Huiliang, H. 117, 123
Roda, A., see Armanino, C. 175
Rüttinger, H.H.
— and Spohn, U.
Rapid coulometric titrations with a new design of electrolytic cell 75

Santana, J.J., see Afonso, A.M. 207
Sasaki, S.-I., see Miyashita, Y. 237
Shibazaki, T., see Hayashi, Y. 187
Shiono, S.
—, Hanazato, Y., Nakako, M. and Maeda, M.
A flow-through cell for use with an enzyme-modified field effect transistor without polymeric encapsulation and wire bonding 131
Simoni, P., see Armanino, C. 175
Spohn, U., see Rüttinger, H.H. 75

Townshend, A., see Al-Tamrah, S. 247
Tuñón Blanco, P., see Miranda Ordieres, A.J. 141

Uchiyama, M., see Hayashi, Y. 187
Udisti, R., see Piccardi, G. 151

Vajgand, V.J.
—, Mihajlović, R.P., Džudović, R.M. and Jakšić, L.N.
Coulometric titration of salts of strong

mineral acids in acetic anhydride by application of a hydrogen/palladium electrode 231
Valcárcel, M., see Linares, P. 199
Van Bennekom, W.P., see van Opstal, M.A.J. 35
Vandenberg, E.T., see Krull, U.J. 215
Van Opstal, M.A.J.
—, Blauw, J.S., Holthuis, J.J.M., van Benekom, W.P. and Bult, A.
On-line electrochemical derivatization combined with diode-array detection in flow-injection analysis. Rapid determination of etoposide and teniposide in blood plasma 35

Weisz, H., see Pantel, S. 1
Weisz, H.
Recent applications of the ring-oven technique. A brief review 25

Yamaura, K., see Miyashita, Y. 237

ANALYTICA CHIMICA ACTA

International journal devoted to all branches of analytical chemistry

(Abstracted, Indexed in: Anal. Abstr.; Biol. Abstr.; Chem. Abstr.; Curr. Contents Phys. Chem. Earth Sci.; Life Sci.; Index Med.; Mass Spectrom. Bull.; Sci. Citation Index; Excerpta Med.)

VOL. 202 CONTENTS NOVEMBER 16, 1987

Reviews

Catalytic end-point detection in titrimetic analysis
S. Pantel and H. Weisz (Freiburg i. Br., F.R.G.) 1

Recent applications of the ring-oven technique. A brief review
H. Weisz (Freiburg i. Br., F.R.G.) 25

General Analytical Chemistry

On-line electrochemical derivatization combined with diode-array detection in flow-injection analysis. Rapid determination of etoposide and teniposide in blood plasma
M.A.J. van Opstal, J.S. Blauw, J.J.M. Holthuis, W.P. van Bennekom and A. Bult (Utrecht, The Netherlands) 35

The determination of hydrogen chloride in ambient air with diffusion/denuder tubes
N.A. Dimmock and G.B. Marshall (Leatherhead, Gt. Britain) 49

A pyrohydrolytic method for the determination of low fluorine concentrations in coal and minerals
K.J. Doolan (Wallsend, N.S.W., Australia) 61

Electrometric Methods

Rapid coulometric titrations with a new design of electrolytic cell
H.H. Rüttinger and U. Spohn (Weinbergweg, G.D.R.) 75

Tensammetry with accumulation on the hanging mercury drop electrode. Part 4.The behaviour of oxyethylated alcohols (polyoxyethylene n-alkyl monoethers)
M.K. Pawlak and Z. Łukaszewski (Poznań, Poland) 85

Tensammetry with accumulation on the hanging mercury drop electrode.Part 5. The behaviour of mixtures of oxyethylated alcohols
M.K. Pawlak and Z. Łukaszewski (Poznań, Poland) 97

Simultaneous determination of mercury(II), copper(II) and bismuth(III) in urine by flow constant-current stripping analysis with a gold fibre electrode
H. Huiliang, D. Jagner and L. Renman (Lund, Sweden) 117

Flow constant-current stripping analysis for antimony(III) and antimony(V) with gold fibre working electrodes. Application to natural waters
H. Huiliang, D. Jagner and L. Renman (Lund, Sweden) 123

A flow-through cell for use with an enzyme-modified field effect transistor without polymeric encapsulation and wire bonding
S. Shiono, Y. Hanazato, M. Nakako and M. Maeda (Hyogo, Japan) 131

An electroanalytical study of the anticancer drug dacarbazine
A.J. Miranda Ordieres, A. Costa Garcia, P. Tuñón Blanco (Asturias, Spain) and W. Franklin Smyth (Belfast, Gt. Britain) 141

Intermetallic compounds and the determination of copper and zinc by anodic stripping voltammetry
G. Piccardi and R. Udisti (Firenze, Italy) 151

Determination of total basicity and available lysine in proteins by nonaqueous titrimetry
I. Molnár-Perl and M. Pintér-Szakács (Budapest, Hungary) 159

(Continued overleaf)

(*Contents continued*)

A high-performance liquid chromatographic assay of the electro-oxidation of purines. Uric acid and the nucleotide drug tubercidin-5′-monophosphate
T. Childers-Peterson and A. Brajter-Toth (Gainesville, FL, U.S.A.) 167

Computer Methods and Applications
Pattern recognition study of biochemical assays for liver function
C. Armanino, R. Leardi (Genoa, Italy), A. Roda (Messina, Italy) and P. Simoni (Bologna, Italy) 175
Resolution of overlapped chromatograms by means of the Kalman filter. Data processing of liquid chromatographic signals without solvent peaks
Y. Hayashi, T. Shibazaki, R. Matsuda and M. Uchiyama (Tokyo, Japan) 187

Spectrometric Methods
Sequential determination of glucose and fructose in foods by flow-injection analysis with immobilized enzymes
P. Linares, M.D. Luque de Castro and M. Valcárcel (Córdoba, Spain) 199
Spectrofluorometric determination of zinc with 1,5-bis(2,3-dihydroxyphenylmethylene) thiocarbohydrazone
A.M. Afonso, M. González-Dávila, J.J. Santana and F. García-Montelongo (Tenerife, Spain) 207
Surfactant characterization at an air/water interface by direct reflection ellipsometry
U.J. Krull, A. Hum and E.T. Vandenberg (Mississauga, Ont., Canada) 215
Preconcentration by coprecipitation of submicrogram amounts of copper and manganese with 8-quinolinol and direct electrothermal atomic absorption spectrometry of the precipitates
K. Akatsuka and I. Atsuya (Kitami, Japan) 223

Short Communications
Coulometric titration of salts of strong mineral acids in acetic anhydride by application of a hydrogen/palladium electrode
V.J. Vajgand (Belgrade, Yugoslavia), R.P. Mihajlović, R.M. Džudović (Kragujevac, Yugoslavia) and L.N. Jakšić (Priština, Yugoslavia) 231
Prediction of carcinogenicity of polynuclear aromatic hydrocarbons on the basis of their chemical structures
Y. Miyashita, T. Okuyama, K. Yamaura, K. Jinno and S.-I Sasaki (Toyohashi, Japan) 237
Molecular emission cavity analysis for organic sulphur compounds after electrolytic generation of hydrogen sulphide
N. Grekas and A.C. Calokerinos (Athens, Greece) 241
Determination of naphthols by flow-injection chemiluminescence
S.A. Al-Tamrah (Riyadh, Saudi Arabia) and A. Townshend (Hull, Gt. Britain) 247
A pyrolysis/gas chromatographic method for the determination of hydrogen in solid samples
R.H. Carr, R. Bustin and E.K. Gibson (Houston, TX, U.S.A.) 251

Book Reviews 257

Erratum 265

Corrigendum 265